

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Sokolov et al.

Attorney Docket No.: SUN1P810/P5510

Application No.: 09/703,356

Examiner: Opie, G.

Filed: October 31, 2000

Group: 2194

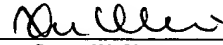
Title: METHODS AND APPARATUS FOR  
NUMERIC CONSTANT VALUE INLINING IN  
VIRTUAL MACHINES

Confirmation No.: 3230

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on May 23, 2005 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signed: \_\_\_\_\_

  
Susan W. Xu

**INFORMATION DISCLOSURE STATEMENT  
AFTER FINAL ACTION OR NOTICE OF ALLOWANCE**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449 may be material to examination of the above-identified patent application. Applicants identify these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these citations of official record in this application. Please note that references listed under Foreign Patent or Published Foreign Patent Application and Other Documents are enclosed herewith.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

05/25/2005 CCHAU1 00000047 09703356

01 FC:1806


180.00 0P

This Information Disclosure Statement is being filed after the mailing date of a notice of allowance under §1.311, but before payment of the issue fee.

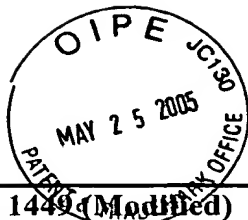
Accompanying this Information Disclosure Statement is the fee set forth in 37 CFR 1.17(p).

If fees are due, enclosed is our Check No. 26318 for \$180.00 in payment of the Information Disclosure Statement Fee. If it is determined that any additional fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. SUN1P810).

Respectfully submitted,  
BEYER-WEAVER & THOMAS, LLP

  
R. Mahboubian  
Registration No. 44,890

P.O. Box 70250  
Oakland, CA 94612-0250  
(650) 961-8300



<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No. SUN1P810/P5510	Application No.: 09/703,356
	Applicant: Sokolov et al. Filing Date October 31, 2000	Group 2126

### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A1	2002/0046298A1	04/18/02	Bak et al.			06/30/97
	A2	2002/0170041A1	11/14/02	Shann			12/20/01
	A3	2002/0170043A1	11/14/02	Bagley et al.			02/23/01
	A4	2002/0188726A1	12/12/02	Schick et al.			06/08/01
	A5	4,199,811	04/22/80	Borgerson et al.			09/02/77
	A6	4,667,290	05/19/87	Goss et al.			09/10/84
	A7	5,815,718	09/29/98	Tock			05/30/96
	A8	5,838,980	11/17/98	Guillen et al.			06/25/97
	A9	5,872,978	02/16/99	Hoskins			12/19/96
	A10	5,893,084	04/06/99	Morgan et al.			10/04/96
	A11	5,903,761	05/11/99	Tyma			10/31/97
	A12	5,970,242	10/19/99	O'Connor et al.			01/23/97
	A13	5,978,585	11/02/99	Crelrier			03/27/97
	A14	6,026,485	02/15/00	O'Connor et al.			01/23/97
	A15	6,047,125	04/04/00	Agesen et al.			10/01/97
	A16	6,072,951	06/06/00	Donovan et al.			10/15/97
	A17	6,081,665	06/27/00	Nilsen et al.			12/19/97
	A18	6,101,580	08/08/00	Agesen et al.			04/23/97
	A19	6,118,940	09/12/00	Alexander III et al.			11/25/97
	A20	6,163,780	12/19/00	Ross			04/01/98
	A21	6,182,202 B1	01/30/01	Muthukkaruppan			10/31/97
	A22	6,205,578 B1	03/20/01	Grove			08/14/98
	A23	6,223,202 B1	04/24/01	Bayeh			06/05/98
	A24	6,260,187 B1	07/10/01	Cirne			08/20/98
	A25	6,324,685 B1	11/27/01	Balassanian			03/18/98
	A26	6,330,709 B1	12/11/01	Johnson et al.			03/30/98
	A27	6,338,160 B1	01/08/02	Patel et al.			01/20/00
	A28	6,349,377 B1	02/19/02	Lindwer			09/28/98
	A29	6,374,286 B1	04/16/02	Gee et al.			04/06/98
	A30	6,412,108 B1	06/25/02	Blandy et al.			05/06/99
	A31	6,427,228 B1	07/30/02	Wigger			05/12/99
Examiner				Date Considered			

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No.	Application No.:
	SUN1P810/P5510	09/703,356
	Applicant:	
	Sokolov et al.	
	Filing Date	Group
	October 31, 2000	2126

#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A32	6,434,625 B1	08/13/02	Loen			07/13/99
	A33	6,446,254 B1	09/03/02	Chapman et al.			08/13/99
	A34	6,467,037 B1	10/15/02	Griesemer			06/30/98
	A35	6,477,702 B1	11/05/02	Yellin et al.			11/09/00
	A36	6,658,421 B1	12/02/03	Seshadri			02/14/00
	A37	6,684,394 B1	01/27/04	Shann			08/28/00
	A38	6,704,923 B1	03/09/04	Gosling			02/28/00
	A39	6,851,108 B1	02/01/05	Syme et al.			11/16/00
	A40	6,851,111 B2	02/01/05	McGuire et al.			12/15/00

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	B1	WO01/22213A2	03/29/01	PCT				
	B2	WO02/077807A1	10/03/02	PCT				
	B3	WO02/41145 A2	05/23/02	PCT				

#### Other Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	C1	Lambright H D, "Java Bytecode Optimizations" Proceedings of IEEE Compcon '97. San Jose, Feb. 23-26, 1997, pages 206-210, XP-000751784					
	C2	Accomazzo E et al., "Integrating intermediate Code Optimization with Retargetable Code Generation" Microprocessing and Microprogramming, Elsevier Science Publishers, BV. Amsterdam, NL, vol. 30, No. 1/5, August 1, 1990, pages 475-481, XP000141684					
	C3	Tim Ritchey, "Java!" 1995, New Riders Publishing, pgs, 326-343					
Examiner				Date Considered			

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No.	Application No.:
	SUN1P810/P5510	09/703,356
	Applicant: Sokolov et al.	
	Filing Date	Group
	October 31, 2000	2126

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C4	Jon Meyer & Troy Downing, "Java Virtual Machine," 1997, O'Reilly & Associates, Inc. pgs. 46, 56-57, 74-75, 389 and 391
	C5	Microsoft Press Computer Dictionary Third Edition, pgs. 294-295
	C6	Piumarta et al., "Optimizing Direct Threaded Code by Selective Inlining," Association for Computing Machinery, Vol. 33, No. 5, pp. 291-300, May 1, 1998.XP-000766278
	C7	Tommesani, "Programming models"
	C8	Goldberg, "A specification of java loading and bytecode verification," ACM, pp 49-58, 1998
	C9	Chang et al. "Type based verification of assembly language for compiler degugging," ACM TLDI, pp 91-102, Jan. 2005
	C10	Qian et al., "A formal specification of Java class loading," ACM OOPSLA, pp 325-336, 2000
	C11	Krintz et al., "Reducing transfer delay using java class file splitting and prefetching," ACM OOPSLA, pp276-291 11/1999
	C12	Bill Venners, "How the Java virtual machine handles method invocation and return" Java World, June 1997, pages 1-10
	C13	Clausen et al., " Java Bytecode Compression for Low-End Embedded Systems," 5/2000, ACM
	C14	Chilimbi et al., "Cache-Conscious Structure Definition", P. 13-24, 1999 ACM
	C15	Nicol et al., "Empirical Study of parallel Trace-Driven LRU Cache Simulators", p. 166-169, 1995 IEEE
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.